**Purpose** - This document addresses an ECO for changing the Smart Charger (SC) audio circuit for increased volume.

**Scope** - This document covers the SC Rev A (CLBC Rev A 231207). It involves changing two parts.

**Referenced Documents**

- CLBC Rev A 231207 BOM 250401.xlsx

- CLBC Rev A 231207.kicad\_pcb

**Definitions and Terminology**

- BOM - Bill of Materials

- SC - Smart Charger

**Reason for Change** - To increase the audio tone volume.

**Procedure**

- Remove the existing buzzer BZ1, Item 2 - AT-2440-TWT-R on the BOM, and the 1K ohm resistor, R22, Item 67 on the BOM.

A green circuit board with white text and yellow circles

AI-generated content may be incorrect.A red triangle with a red line

AI-generated content may be incorrect.

BZ1

R22

- Replace R22 with a 1N4148WT-7 SOD 523 diode, Diodes Inc 1N4148WT-7 (Digikey 668-AT-2508-TT-HT-R-ND), oriented as shown in the diagram.

- Replace buzzer BZ1 with a PUI Audio AT-2508-TT-HT-R (Digikey 1N4148WTDICT-ND).

The ECO is completed.